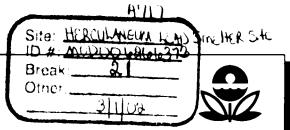
## **Update Number 1**



# HERCULANEUM LEAD SMELTER SITE Lead Removal

Herculaneum, Missouri

March 2002

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Homes with resident children at or under 6 years old and soil lead level over 400 parts per million lead	Within 4 months of January 1, 2002
Homes, parks, playgrounds, and elementary schools with soil lead level over 10,000 parts per million lead	Within 6 months of January 1, 2002
Homes, parks, playgrounds, and schools with soil lead levels between 2,500 parts per million lead and 10,000 parts per million lead	Within 12 months of January 1, 2002
Homes, parks, playgrounds, and schools with soil lead levels between 400 and 2,500 parts per million lead	At a rate of 60 yards per year

Interiors of homes are being cleaned within 30 days of the completion of yard soil replacements.

Additional sampling to characterize surface soil lead contamination further out from the smelter facility will start later this year. Residential property owners will be contacted for permission to conduct this sampling and potential soil replacement prior to starting this work. The work will be performed at no cost to the homeowner and EPA representatives will be present to oversee the work.

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- Households with a pregnant woman.
- Households with residents who are potentially sensitive to lead exposure will be considered for temporary relocation on a case by case basis.

The relocation is being offered on a voluntary basis. It is anticipated that the relocation will range from 3 to 10 weeks, and will depend on what order residential properties are being addressed.

#### **Health Information**

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At the request of the Herculaneum Lead Smelter Community Advisory Group, the Missouri Department of Health and Human Services completed a Health Consultation that evaluated all known blood lead data collected from Herculaneum residents during the 2001 calender year.

The Health Consultation concluded that 28 percent of children up to 6 years of age have blood lead levels known to cause adverse health effects, and that 45 percent of the children up to 6 years of age residing east of Highway 61/Commercial Boulevard have blood lead levels known to cause adverse health effects. The Health Consultation is available for review on the Web at: http://www.dhss.state.mo.us/PreventionAndWellness/EnvironHealth.html

We encourage you to have your child tested for lead exposure. Please contact your private physician or the Jefferson County Health Department at 636-789-3372 to have your child tested.

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We advise you to continue to take the following actions to reduce your and your children's exposure to lead. It is advisable to take the following actions:

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- Encourage children not to put their hands in their mouths.
- Encourage frequent hand and face washing before eating, drinking and sleeping.
- Wash outside toys before bringing them into the house.

In your home, dust or dirt containing lead can be removed by wet cleaning floors, windowsills, cabinets, toys, and other places children may play. Wet-clean by using warm water and a general all-purpose cleaner or a cleaner made specifically for lead. To remove lead from carpets, wet shampoo often. HEPA vacuums are also effective at removing lead dust particles found in the carpet.

Most often children are poisoned by swallowing dust, dirt, or paint containing lead. To reduce lead intake, eat small, frequent meals that are high in iron and calcium and low in fat. Foods such as milk, cheese, ice cream, eggs, chicken, liver, chili, spinach, greens, beans, and whole grain breads will help to prevent lead poisoning and lower lead levels. Foods rich in vitamin C will enhance the absorption of iron from plant foods. Add a food or drink with vitamin C to each meal. Do not serve hot or iced tea. Tea keeps the body from taking in iron.

### **Frequently Asked Questions**

#### What is EPA's approach to the cleanup of Herculaneum?

EPA's focus is protection of the health of young children who are exposed to lead in Herculaneum. EPA's approach to the site has two goals. One goal is to quickly remove historic lead contamination from yards, homes, and other areas where young children can come in contact with lead. At the same time, the second goal is to quickly reduce the lead emissions from the

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#### Why are you cleaning up soils and homes before all the lead sources have been addressed?

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EPA encourages Herculaneum residents to routinely clean the living areas in their homes using a HEPA vacuum and phosphate detergent as a practical measure to reduce the risk of exposure to lead dust.

#### What is being done at schools and churches?

Doe Run is replacing contaminated surface soils at schools, parks, and playgrounds in Herculaneum. Doe Run has also completed the cleaning of six church building interiors located in Herculaneum. With respect to interiors of the public schools in Herculaneum, we have not made interior cleaning of the schools a top priority because our understanding is that children younger than 6 years old do not attend those schools.

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#### Why is only the top foot of soil from my yard being replaced?

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#### HERCULANEUM LEAD SMELTER SITE CONTACT LIST

If you have questions, please contact:

#### **Health Information**

Agency for Toxic Substances and Disease Registry Denise Jordan-Izaguirre

1-913-551-1310

## Missouri Department of Health and Senior Services

Gale Carlson 1-800-392-7245 1-800-392-0272

email: <a href="mailto:carlsg/a/dhss.state.mo.us">carlsg/a/dhss.state.mo.us</a>

## Jefferson County Health Department 636-789-3372

## Herculaneum Lead Smelter Site Community Advisory Group

Angela Searingen, Chairperson 636-475-3319

## Site Information/Temporary Relocation

EPA Region 7
Tony Petruska
Bruce Morrison
1-800-223-0425

#### **Site Information**

Missouri Department of Natural Resources Karen Cass Dave Mosby 1-573-751-8629

## **Primary Focus Group Contact**

Hattie Thomas EPA Region 7 901 N. 5<sup>th</sup> Street Kansas City, Kansas 66101 1-913-551-7003 1-800-223-0425

email: thomas.hattie/a/epa.gov

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